

Audio on the RS6000

A Command-Line Audio Player for AIX 3.25

It seemed odd to us at the Institute that after exhaustive searches on the net, we could not find a program for playing AU sound files on the RS/6000.

Since most of machines here at the institute are RS/6000s with audio capture and playback boards we found this very frustrating, so we decided to write our own program. Fortunately, the AIX base operating system contains a very nice template for anyone wishing to quickly develop a customized rec/playback for virtually any standard sound format on the RS/6000 (straight PCM 11-44khz, mu-law 8-44khz and a-law 8-44khz).

This program will play back and record the standard 8khz mu-law files used on the web.

A Motif-Based Audio Player/Recorder for AIX 3.25

Zounds is an easy-to-use Motif/XWindows audio application developed by Pete Yadlowsky (pmy@virginia.edu) on and for IBM/RS6000 systems (equipped with audio hardware) running the AIX operating system. **Zounds** provides control buttons for basic audio operations including play, record, pause, resume and stop. The interface also displays information about the audio data, such as sampling rate and data format.

Zounds can be run in a semi-interactive "autoplay" mode, whereby the application comes up playing a specified sound file and self-terminates when playback is finished. This makes **Zounds** useful as an audio player for internet browsing.



IATH
WWW
Server



Hardware

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once compiled in byte code

wav
mp3
net } application.
java

FTP directory /pub/software/audio/unix at jefferson.village.virginia.edu

Up to higher level directory

03/22/1998 12:00AM	474	<u>.cache</u>
02/27/1996 12:00AM	1,518	<u>.cache+</u>
10/22/1994 12:00AM	1,383	<u>README</u>
01/27/1994 12:00AM	6,048	<u>aixaudio.Z</u>
10/28/1994 12:00AM	307,200	<u>sox7.tar</u>
11/09/1994 12:00AM	1,615	<u>zounds.README</u>
10/25/1994 12:00AM	18,121	<u>zounds.Z</u>
11/09/1994 12:00AM	25,710	<u>zounds.src.tar.Z</u>

The file aixaudio is a compiled executable AIX sound driver for Mosaic (*.au files) It is based on audio.c in /usr/lpp/bos/samples on the standard RS/6000 filesystem. This driver was written by Oludotun Akinola at the Institute for Advanced Technology in the Humanities.

The file Zounds.Z is a modification of aixaudio that includes a motif-based control panel. The current version enables the recording feature that was previously inaccessible. Zounds.Z is a compiled executable binary for the RS6000 using AIX 3.25. This program was written by Pete Yadlowsky at the Institute for Advanced Technology in the Humanities.

To use either of these programs as the default audio player for Mosaic, you will need to edit your .mailcap file, adding the line

```
audio/*; [executable] %s
```

Make sure the executable is placed in a directory on your path (you can check your path by typing the command "set"), and remember to issue the command

```
chmod a+x [executable]
```

to make set the "x" executable bit, otherwise the program will not run. Finally, if you are using Zounds, you can use the command-line flag -p (either on the command line or in the .mailcap file) to make it autoplay when it receives a sound file and autoquit when it is finished.

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